

ECS Configuration Change Request

Page 1 of

Page(s)

1. Originator Henry Baez	2. Log Date: 9/23/02	3. CCR #: 02-0824	4. Rev: —	5. Tel: 925-1025	6. Rm #: 2101D	7. Dept. Sys Eng
8. CCR Title: Test in VATC and PVC new named binary before releasing the binary as a test executable.						
9. Originator Signature/Date /s/ Henry Baez 9/19/02			10. Class IN	11. Type: CCR	12. Need Date: 2002/09/25	
13. Office Manager Signature/Date /s/ James R. Mather 9/19/02			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. Cl(s) Affected:	
19. Release Affected by this Change: 6A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) It was found at the GSFC DAAC that the named binary use on the GSFC firewall has a limitation problem. The ECS network environment is complicated so the firewall configuration has a large number of static routes and aliases. The present named binary at boot up or when restarted asks the AIX OS for the network environment. If the data passed is too large, the named will most of the times fail to start and DNS will not work outbound and inbound.						
24. Proposed Solution: (use additional sheets if necessary) Talked to the firewall vendor who provided the named binary and the problem was fixed in the latest release of the named binary. Will replace binary at present first in the VATC. Will run for several days to make sure nothing else is affected by the new binary. Then will load binary in PVC and run for a week. If the new named binary does not cause any problems will release test executable for field replacement of named binary on the firewall.						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Presently only GSFC DAAC for sure is affected. But any of the DAACs could in meeting future requirements grow the AIX environment to a a large size that impacted at boot or when named was restarted DNS on the firewall. DNS would then impact DAAC communications.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:	31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Otai Harley /s/ 9/25/02 Randall J. Miller /s/ 9/25/02			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
33. M&O CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ESDIS			